

Application No. 09/808,224  
Filed: March 14, 2001  
Group Art Unit: 1645  
Confirmation No.: 2803

AMENDMENTS TO THE SPECIFICATION

Please insert after the title of the application on page 1,  
the following section:

CROSS REFERENCE TO RELATED APPLICATION

This application claims priority to German Patent  
Application No. 100 14 685.6, filed March 24, 2000.

Please replace the entire Abstract on page 16 with the  
following Abstract:

This invention relates to a process for identifying cell-  
specific target structures. The process comprises automatically  
depositing a reagent solution that includes at least one marker  
molecule on an object which contains cells and/or cell membranes  
originating from a cell or tissue sample, allowing the reagent  
solution to react and automatically detecting at least one  
marker pattern of the object labeled with the reagent solution,  
removing said reagent solution, combining detected marker  
patterns, repeating the process with at least one further  
object, determining at least one difference in the objects,  
identifying at least one reagent solution causing the at least  
one difference, selecting molecules or molecular complexes from  
a homogenate of cells and/or cell membranes, and biochemically  
characterizing these molecules or molecular complexes.